

RAILWAY SIGNALS

"Fireworks" That Serve as Train Protectors.

CODE OF TORPEDO AND FUSEE

Messages These Audible and Visible Danger Signs Convey to the Engineer—The Use of Pyrotechnics as Signals in the Naval Service.

"Pop, pop," or perhaps a single "pop," sharp and distinct like that of a giant firecracker heard not only on the Fourth of July, but on every day in the year, Sundays included. What did it mean? And on almost any night as I look out of my window I see the edge of the wood or the fields lighted up by red or yellow fireworks. Why this strange illumination?

As all these queer happenings took place on the railroad a few rods from my house I made inquiries of the railway officials, and here are some interesting facts about the use of these curious "fireworks."

The general superintendent of the New York, New Haven and Hartford railroad explained as follows:

"Our rules provide for the use of detonators, commonly known as torpedoes, as audible signals and of 'fusees' as visible signals.

"These torpedoes are attached to the top of the rail on the engineer's side of the track by two small flexible metal straps, which are easily bent around the ball of the rail, as shown in the picture, and hold the torpedoes securely in place until exploded by the first train passing over this track.

"The explosion of one torpedo is a signal to stop; the explosion of two, not more than 200 feet apart is a signal to reduce speed and look out for a stop signal.

"The fusees are of similar construction to the well known Roman candle used for fireworks celebrations, except that they burn a steady flame without explosions. A sharp iron spike at the bottom end will usually stick in the ground or in the cross tie when thrown from the rear of a train and holds the fusee in an upright position, where it is more plainly visible.

"A fusee must be lighted and left by the flagman whenever a train is running on the 'time' of another train or behind its own time and under circumstances which call for such protection.

"A fusee on or near the track, burning red, must not be passed. When burning yellow the train may proceed with caution when the way is seen and known to be clear. Standard fusees burn red for three minutes and yellow for seven minutes and can be seen for quite a distance.

"You will gather from the above explanations that the red glare of a flaming fusee on or near the track warns the approaching engineer that a preceding train has passed over his track less than three minutes ahead of him, and under no circumstances must he pass this signal while burning red. When the flame turns to yellow he may proceed with caution, only as the way is seen and known to be clear, keeping in mind that when the fusee changed from red to yellow he was exactly three minutes behind a preceding train, which may have stopped within a short distance or may be proceeding at an unusually slow rate of speed."

The superintendent of the Shore line division, another branch of the same railroad, gives this additional detail regarding torpedoes:

"When a train stops upon the main line and requires protection against a following train the flagman goes back a specified distance and places one torpedo. He then continues a farther distance back, placing two torpedoes. As soon as the train he is protecting is ready to start the engineer blows a specified whistle signal, which is a notice to the flagman to return to his train. On the way back he picks up the one torpedo, leaving two on the rail to warn the engineer of an approaching train that another train is a short distance ahead and to give the flagman time to run back and get aboard of his own train."

Of the use of fireworks as signals in the navy the chief of the bureau of construction and repair of the navy department, Washington, makes the following statement:

"All modern ships are fitted with electric signals, and the use of such signals is general in the naval service. In the case of small vessels having no electric installation and also for use in case of the failure of the electric signals the navy has a system of colored stars in connection with rockets for the purpose of signaling.

"These are in no sense the ordinary commercial fireworks, but are manufactured by the service for naval use exclusively.

"There are no photographs of this system of signals for distribution. The apparatus consists of a specially designed pistol from which are fired cartridges containing the colored stars that are used in the service code."—New York Mail.

Mighty Arcturus.

Arcturus is one of the most brilliant stars that we can see in the heavens. Its diameter is 82,000,000 miles. The light that comes to us from it is over 200 years old when it enters our eyes. The sun is distant 93,000,000 miles. Then compare eleven minutes with 200 years.

Truth is as impossible to be soiled by any outward touch as the sunbeam.—Milton.

HILLSBORO FAIR DEPARTMENTS

THIRD DEPARTMENT.

SHEEP.

ROSCOE L. WEST, Committeeman.

Will be shown on Thursday morning beginning at 10:30. Animals exhibited as breeders must be satisfactorily shown to the member in charge of the awarding judge, to be breeders in fact and not barren. They shall be pure blood, and all over one year must have been registered, and all under that age must be eligible for registration. They must be fitted creditably as show animals. No award of premium shall be made where there is no soundness that is transmissible from animals to their progeny.

ENTRY BOOK No. 8.

MERINOS.

	1st	2nd
Best Ram 2 years old or over.	Prem.	Prem.
Best Ram 1 year old and under 2 years.	\$3.00	\$2.00
Best Ram lamb.	1.00	.50
Best Ewe 2 years old or over.	3.00	2.00
Best Ewe 1 year old and under 2 years.	2.00	1.00
Best Ewe lamb.	1.00	.50

HERD FLOCK.

1 Ram 1 year old or over; 1 Ewe 2 years old and over; 1 Ewe 1 year old and under 2 years; 1 Ewe under 1 year.	3.00	2.00
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ENTRY BOOK No. 9.

SHROPSHIRE.

	1st	2nd
Best Ram 2 years old or over.	Prem.	Prem.
Best Ram 1 year old and under 2 years.	\$3.00	\$2.00
Best Ram lamb.	1.00	.50
Best Ewe 2 years old or over.	3.00	2.00
Best Ewe 1 year old and under 2 years.	2.00	1.00
Best Ewe lamb.	1.00	.50

HERD FLOCK.

1 Ram 1 year old or over; 1 Ewe 2 years old and over; 1 Ewe 1 year old and under 2 years; 1 Ewe under 1 year.	3.00	2.00
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ENTRY BOOK No. 10.

CHEVIOTS.

	1st	2nd
Best Ram 2 years old or over.	Prem.	Prem.
Best Ram 1 year old and under 2 years.	\$3.00	\$2.00
Best Ram lamb.	1.00	.50
Best Ewe 2 years old or over.	3.00	2.00
Best Ewe 1 year old and under 2 years.	2.00	1.00
Best Ewe lamb.	1.00	.50

HERD FLOCK.

1 Ram 1 year old or over; 1 Ewe 2 years old and over; 1 Ewe 1 year old and under 2 years; 1 Ewe under 1 year.	3.00	2.00
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ENTRY BOOK No. 11.

LINCOLNS.

	1st	2nd
Best Ram 2 years old or over.	Prem.	Prem.
Best Ram 1 year old and under 2 years.	\$3.00	\$2.00
Best Ram lamb.	1.00	.50
Best Ewe 2 years old or over.	3.00	2.00
Best Ewe 1 year old and under 2 years.	2.00	1.00
Best Ewe lamb.	1.00	.50

HERD FLOCK.

1 Ram 1 year old or over; 1 Ewe 2 years old and over; 1 Ewe 1 year old and under 2 years; 1 Ewe under 1 year.	3.00	2.00
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FOURTH DEPARTMENT.

SWINE—POLAND CHINA.

ED. KING, Committeeman.

ENTRY BOOK No. 12.

Will be shown on Thursday morning beginning at 10:30.

Class No.	1st	2nd
1 Best Boar, 2 years old and over.	Prem.	Prem.
2 Best Boar, 1 year and under 2.	\$3.00	\$2.00
3 Best Boar Pig under 1 year.	1.00	.50
4 Best Sow, 2 years old and over.	3.00	2.00
5 Best Sow, 1 year and under 2.	2.00	1.00
6 Best Sow Pig under 1 year.	1.00	.50
7 Best Sow.	2.00	1.00
8 Best Sow.	2.00	1.00

BERKSHIRE.

9 Best Boar, 2 years old and over.	\$3.00	\$2.00
10 Best Boar, 1 year and under 2.	2.00	1.00
11 Best Boar Pig under 1 year.	1.00	.50
12 Best Sow, 2 years old and over.	3.00	2.00
13 Best Sow, 1 year and under 2.	2.00	1.00
14 Best Sow Pig under 1 year.	1.00	.50
15 Best Sow.	2.00	1.00
16 Best Sow.	2.00	1.00

CHESTER WHITE.

17 Best Boar, 2 years old and over.	\$3.00	\$2.00
18 Best Boar, 1 year and under 2.	2.00	1.00
19 Best Boar Pig under 1 year.	1.00	.50
20 Best Sow, 2 years old and over.	3.00	2.00
21 Best Sow, 1 year and under 2.	2.00	1.00
22 Best Sow Pig under 1 year.	1.00	.50
23 Best Sow.	2.00	1.00
24 Best Sow.	2.00	1.00

DUROC JERSEYS.

25 Best Boar, 2 years old and over.	\$3.00	\$2.00
26 Best Boar, 1 year and under 2.	2.00	1.00
27 Best Boar Pig under 1 year.	1.00	.50
28 Best Sow, 2 years old and over.	3.00	2.00
29 Best Sow, 1 year and under 2.	2.00	1.00
30 Best Sow Pig under 1 year.	1.00	.50
31 Best Sow.	2.00	1.00
32 Best Sow.	2.00	1.00

BEST FAT BARROWS (any breed).

33 Best Fat Barrows (any breed).	10.00	
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FIFTH DEPARTMENT.

PUMPKINS, SQUASHES AND VEGETABLES.

C. C. MUHLBACH, Superintendent.

ENTRY BOOK No. 13.

Space will be provided for the display of exhibits, by the management, also vessels will be furnished to hold the articles. Cards must be displayed indicating the varieties.

GROWN IN HIGHLAND COUNTY.

Class No.	1st	2nd
1 1/2 pk potatoes, Banner.	.50	.25
2 1/2 pk potatoes, Irish Collier.	.50	.25
3 1/2 pk potatoes, Quick Lunch.	.50	.25
4 1/2 pk potatoes, Mortgage Lifter.	.50	.25
5 1/2 pk potatoes, Farm and Home.	.50	.25
6 1/2 pk potatoes, Wilkin Sensation.	.50	.25
7 1/2 pk potatoes, any variety, strawed.	.50	.25
8 1/2 pk potatoes, Early Triumph.	.50	.25
9 1/2 pk potatoes, Early Rose.	.50	.25
10 1/2 pk potatoes, Early Ohio.	.50	.25
11 1/2 pk potatoes, Blue Victor.	.50	.25
12 1/2 pk potatoes, American Wonder.	.50	.25
13 1/2 pk potatoes, any variety.	.50	.25
14 Potatoes, best display of all varieties.	.50	
15 Special—1/2 bushel of Potatoes containing	1.00	
16 1/2 pk sweet potatoes, yellow.	.50	.25
17 1/2 pk sweet potatoes, red.	.50	.25
18 1/2 pk sweet potatoes, white.	.50	.25
19 1/2 pk yams, red.	.50	.25
20 1/2 pk yams, white.	.50	.25
21 1 doz carrots, any variety.	.25	.15
22 1 doz parsnips, any variety.	.25	.15
23 1 doz celery or oyster plant.	.25	.15
24 1/2 doz beets, Table.	.25	.15
25 1/2 doz beets, Long Blood.	.25	.15
26 1/2 doz beets, Sugar.	.25	.15
27 1/2 doz beets, Long Mangel Wurzel.	.25	.15
28 1/2 doz beets, Yellow Globe.	.25	.15
29 1/2 doz turnips, Purple Top.	.25	.15
30 1/2 doz turnips, White Top.	.25	.15
31 1/2 pk onions, Red Globe.	.25	.15
32 1/2 pk onions, White Globe.	.25	.15
33 1/2 pk onions, Yellow Globe.	.25	.15
34 1/2 pk onions, Red Wethersfield.	.25	.15
35 1/2 pk onions, Potato.	.25	.15
36 1/2 pk tomatoes, Stone.	.50	.25
37 1/2 pk tomatoes, Buckeye State.	.50	.25
38 1/2 pk tomatoes, any variety.	.50	.25
39 1 doz cabbages, any variety.	.25	.15
40 Cabbage, heaviest head of.	.25	
41 1/2 doz celery, White Plume.	.50	.25
42 1/2 doz celery, Golden Self Blanching.	.50	.25
43 1/2 doz celery, Snow White.	.50	.25
44 1/2 doz celery, Giant Pascal.	.50	.25
45 1 doz peppers, Mango Ruby Ring.	.50	.25
46 1 doz peppers, Mango Chinese Giant.	.50	.25
47 1 doz peppers, any variety.	.50	.25
48 1/2 doz squashes, Yellow Crook Neck.	.50	.25
49 1/2 doz squashes, White Crook Neck.	.50	.25
50 1/2 doz squashes, Green Crook Neck.	.50	.25
51 1/2 doz squashes, Yellow Scallop.	.50	.25
52 1/2 doz squashes, Red Pie.	.50	.25
53 1/2 doz squashes, Delicious.	.50	.25
54 1/2 doz squashes, Red Sweet Potato.	.50	.25
55 1/2 doz squashes, Hubbard.	.50	.25
56 squash, heaviest.	.50	
57 1/2 doz pumpkins, Yellow Field.	.50	.25
58 1/2 doz pumpkins, Sweet or Pie.	.50	.25
59 Pumpkin, heaviest.	.50	

SPECIAL.

For the heaviest pumpkin beating Highland County record, weighing over 112 lbs.	5.00
60 1/2 doz melons, Water.	.50
61 1/2 doz melons, Mink.	.50
62 1/2 doz Purple Egg Plant.	.25
63 1 qt beans, Lima.	.25
64 1 qt beans, Marrow Fat.	.25
65 1 qt beans, Navy.	.25
66 1 qt beans, Red Kidney.	.25

Don't Miss the Chi-Namel Display at the Fair.

We think so well of the Chi-Namel line, which we have handled for a number of years, that we have decided to make it a feature of our display at the Fair.

The Manufacturer's special representative will be with us to answer all questions pertaining to varnishing, graining, staining, enameling, bronzing and polishing.

The latest achievement of the Chi-Namel factory will also be displayed.

A Dull Wall Color that is washable and can be used in old houses over old wall paper and give the same effect as if applied to new plaster in a new building.

A series of Prize Contests will be conducted, open to all amateur Grainers, which will be both profitable and interesting to the contestants.

Don't Miss the Chi-Namel Booth at the Fair

STABLER'S 5 and 10c STORE

"The Chi-Namel Store"

LEESBURG.

September 4, 1911.

B. L. Sanders and wife are in Michigan, the guests of their son, Earl, and wife.

Mrs. A. G. Barber returned home Wednesday from a visit with her sister, in Omaha, Neb.

Miss Ruth McCormick has returned to her home in Columbus after a pleasant visit with Miss Hazel Fultz.

John Arrasmith and wife visited relatives in Sabina, last Sunday.

C. B. Cox transacted business in Hillsboro last Saturday.

Mrs. Elizabeth Redkey and daughters entertained to dinner Sunday: Prof. H. L. Milne and family, Dr. J. A. B. Srofe and family and C. C. Redkey and wife.

Mrs. S. R. Ousley was the guest of relatives in Martinsville, Saturday.

Mrs. W. H. Smith is in Indiana visiting her parents.

Miss Edith Barrett was an over Sunday guest of her brother, Homer, and family.

I. T. Davis and family now occupy their handsome new residence on Church street.

Mrs. Martin Milner and Mrs. Ada McCoy will leave this week for an extended visit with relatives in Indiana and Illinois.

Mrs. Augusta Cline, of Oklahoma, is the guest of her parents, R. P. Barrett and family.

Quite a number of our young people attended camp meeting at Sabina, last Sunday.

Virgil Ferneau, of Greenfield, spent Friday night at his home here.

Mrs. Etta Pavey is the guest of her sister, Mrs. Georgia Hohler, of Dayton.

E. J. Fultz and family visited relatives in Washington, C. H., Sunday night.

Last Friday afternoon in response to invitations, to a Kensington received a few days previous, the members of the Embroidery Club repaired to the beautiful home of Mr. and Mrs. G. A. Pavey, where their daughter, Miss Geneva, entertained so charmingly.

South Bend

The Master Time Piece



411 "OKs" Must Go On Every South Bend Watch

EVER, in any factory, is such care taken to insure perfection as in the South Bend Watch Factory.

Just think of 411 critical inspections on one South Bend Watch! 'Tis no wonder the South Bend has won such a great reputation for accuracy.

The South Bend makes us friends. Come in and let us show you the South Bend line.

EMMERLING & STEVENSON JEWELERS AND OPTICIANS

Public Auction of Bankrupt's Stock.

The undersigned, Trustee in bankruptcy of Bernard H. Wolf, of Hillsboro, Ohio, will offer for sale at public auction, on the 9th day of September, 1911, at 10 o'clock p. m., on the premises, the entire stock of merchandise and fixtures, belonging to said bankrupt, to be sold to the highest bidder and for cash. Appraised at \$1402.00.

Inspection of stock and inventory invited. H. L. Wolf, Trustee in Bankruptcy of B. H. Wolf, bankrupt. August 30, 1911.

Digestion and Assimilation.

It is not the quantity of food taken but the amount digested and assimilated that gives strength and vitality to the system. Chamberlain's Stomach and Liver Tablets invigorate the stomach and liver and enable them to perform their functions naturally. For sale by all dealers.

"I want to talk to the office boy about that ball game yesterday," declared the junior partner.

"You read the accounts of the game," said the senior partner.

"That was the way the umpire saw it. I want to hear about the game as it really happened."—Washington Herald.

BEAUTIFUL PILLOW TOPS

By special arrangement with a large manufacturer we are enabled to make the following Grand Offer:

To all subscribers of the NEWS-HERALD who are paid one year in advance, and to all new subscribers for one year on payment of 40 cents additional, we will give a

HANDSOME MERCERIZED SATEEN SOFA PILLOW TOP

On which is reproduced ANY PHOTOGRAPH OR PICTURE YOU WANT

These pillows can be washed and ironed without in any way affecting the detail or brilliancy of the picture. You can have your choice of six colors. The work is positively guaranteed to be first class and is sold in many places at \$1.50.

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